following equation with the density of oil at the wellhead,

(8) Calculate the density of oil in the well,  $\rho_o\left(\frac{lbm}{c_{o}}\right)$ , using the

density of oil at bottom hole conditions, 
$$\rho_{BH}\left(\frac{lbm}{cu\,ft}\right)$$
, calculated in paragraph (b)(7) of this section:

 $ho_{WH}\,(rac{lbm}{cu\,ft})$ , calculated in paragraph (b)(6) of this section; and the

$$\rho_o \left( \frac{lbm}{cu ft} \right) = 0.5 \times (\rho_{WH} + \rho_{BH})$$

(9) Calculate the oil flow rate,  $q_o\left(cuft/sec\right)$ , using the following equation with: the oil formation volume factor,  $Bo\left(\frac{bbl}{STBO}\right)$ ,

as calculated in paragraph (b)(5) of this section; and the estimated oil production rate at the well head, 
$$Qo$$
 (STBO/day): 
$$q_o\left(\frac{cu\ ft}{sec}\right) = Qo\left(\frac{\text{STBO}}{\text{day}}\right) \times Bo\left(\frac{\text{bbl}}{\text{STBO}}\right) \times 5.614\left(\frac{\text{cu}\ ft}{\text{bbl}}\right) \times \frac{1}{24 \times 60 \times 60}\left(\frac{day}{sec}\right)$$